



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/709,487	11/13/2000	Rudy G Bonefas	003636.0098	4562

36405 7590 05/17/2004

MANNAVA & KANG
281 MURTHA ST
ALEXANDRIA, VA 22304

EXAMINER

BRUCKART, BENJAMIN R

ART UNIT	PAPER NUMBER
----------	--------------

2155

DATE MAILED: 05/17/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

27

Office Action Summary

Application No.

09/709,487

Applicant(s)

BONEFAS ET AL.

Examiner

Benjamin R Bruckart

Art Unit

2155

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
 - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
 - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
 - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 01 April 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-30 and 56-66 is/are pending in the application.
- 4a) Of the above claim(s) 31-55, 67-85 is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-30 and 56-66 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- ☒ Notice of References Cited (PTO-892)
- ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____
- ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- ☐ Notice of Informal Patent Application (PTO-152)
- ☐ Other: _____

Detailed Action

Claims 1-30, 56-66 are pending in this Office Action.

Claims 31-55, 67-98 have not been cancelled by the Applicant, see paper no. 11.

Election/Restrictions

In paper no. 11, an election was made with traverse to prosecute the invention of Group 1, claims 1-8, 9-30, 56-66. Claims 31-55, 67-85 are withdrawn from further consideration by the examiner, 37 CFR 1.142(b), as being drawn to a non-elected inventions.

To properly traverse the restriction, applicant needs to argue the traversal.

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter, which the applicant regards as his invention.

Claim 3 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claim 3 recites the limitation "the pre-selected format " on page 27, claim 3, line 2. There is insufficient antecedent basis for this limitation in the claim.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1-6, 8-17, 23-27, 30, 56-66 are rejected under 35 U.S.C. 102(e) as being anticipated by U.S. Patent No 6,430,624 by Jamtgaard et al.

Regarding claim 1, a system for deploying content to devices (Jamtgaard: col. 2, line 40; col. 4, lines 34-39), comprising:

a translator operative to receive data sent from devices (Jamtgaard: col. 6, lines 32-36; 54-66, col. 4, lines 39-44; WAP gateway), the translator operative to translate the data into a standardized format (Jamtgaard: col. 6, lines 59-64);

a content provider interface operative to receive the data in the standardized format (Jamtgaard: col. 6, lines 32-37; content connection handler and appliance connection handler; Fig 4, tags 40 and 44) and to provide content data in the standardized format (Jamtgaard: col. 7, lines 48-58, lines 12-26, 31-47 xml engine); and

a transformer operative to receive the content data and to transform the content data into a format for a particular device (Jamtgaard: col. 8, lines 4-7; layout engine).

Regarding claim 2, the system according to claim 1, wherein the standardized format is an XML message (Jamtgaard: col. 2, line 53).

Regarding claim 3, the system according to claim 1, wherein the transformer is operative to select a transformation based on the pre-selected format (Jamtgaard: col. 7, lines 48-63; rml) and to transform the content data using the selected transformation (Jamtgaard: col. 7, lines 48-63).

Regarding claim 4, the system according to claim 3, wherein the transformation is selected from a group of XSL style sheets (Jamtgaard: col. 10, lines 60- col. 11, line 9).

Regarding claim 5, the system according to claim 3, wherein the transformer is operative to select a plurality of transforms (Jamtgaard: col. 10, lines 60- col. 11, line 9) and to apply the plurality of transforms in at least one of sequentially, independently, or a combination of both, to transform the content data (Jamtgaard: col. 10, lines 65- col. 12, line 65; example of html to rml page).

Regarding claim 6, the system according to claim 1, further comprising an extractor operative to access session information about a browser of the particular device (Jamtgaard: col. 5, lines 1-6; col. 7, lines 44-47).

Regarding claim 8, the system according to claim 1, wherein the devices are wireless devices (Jamtgaard: col. 5, lines 7-25).

Regarding claim 9, a method of communicating with devices that use different communication schemes (Jamtgaard: col. 4, lines 66- col. 5, line 6), comprising:

- receiving first data from one or more devices (Jamtgaard: col. 6, lines 32-36; 54-66, col. 4, lines 39-44; WAP gateway);

- translating the first data into a standardized format (Jamtgaard: col. 6, lines 59-64);

- providing the translated data to a content provider interface (Jamtgaard: col. 6, lines 32-37; content connection handler and appliance connection handler; Fig 4, tags 40 and 44);

- receiving second data response from the content provider interface in the standardized format (Jamtgaard: col. 7, lines 48-58, lines 12-26, 31-47 xml);

transforming the second data into content type specific forms for the one or more devices (Jamtgaard: col. 8, lines 4-7; layout engine); and

forwarding the transformed second data to the one or more devices (Jamtgaard: col. 20, lines 63-65).

Regarding claim 10, the method according to claim 9, further comprising: extracting information about the device from the first data (Jamtgaard: col. 5, lines 1-6; col. 7, lines 44-47).

Regarding claim 11, the method according to claim 10, wherein the extracted information includes device specific features (Jamtgaard: col. 5, lines 1-6; type of device).

Regarding claim 12, the method according to claim 10, wherein the transforming step comprises: selecting an XSL style sheet based on the extracted information (Jamtgaard: col. 7, lines 48-63); and using the selected XSL style sheet to transform the second data (Jamtgaard: col.s 11 and 12, the XSL stylesheet transformation).

Regarding claim 13, the method according to claim 10, wherein the extracted information includes information about a browser (Jamtgaard: col. 7, lines 46-47).

Regarding claim 14, the method according to claim 10, wherein the extracted information includes a message key (Jamtgaard: col. 8, lines 25-46).

Regarding claim 15, the method according to claim 14, further comprising: selecting the content provider interface based on the message key (Jamtgaard: col. 8, lines 40, 41; URL address).

Regarding claim 16, the method according to claim 14, wherein the message key includes at least one of a vertical market; an action; an action type; and a content provider identifier (ID) (Jamtgaard: col. 8, lines 40, 41; URL address).

Regarding claim 17, the method according to claim 16, wherein the vertical market is a brokerage market, the action is a quote, the action type is at least one of a request and a response, and the content provider ID corresponds to a particular brokerage (Jamtgaard: col. 13, lines 51-53).

Regarding claim 23, the method according to claim 9, wherein the first data is a request (Jamtgaard: col. 6, lines 53-66).

Regarding claim 24, the method according to claim 23, wherein the request is a hyper-text transfer protocol (HTTP) request (Jamtgaard: col. 8, lines 25-29).

Regarding claim 25, the method according to claim 9, wherein the second data is a response (Jamtgaard: col. 7, lines 31-47; transmit to the requesting information device).

Regarding claim 26, the method according to claim 9, wherein the standardized format of the second data is an XML message format (Jamtgaard: col. 2, line 53).

Regarding claim 27, the method according to claim 9, wherein the content provider is a third party (Jamtgaard: Figure 4, tag 13).

Regarding claim 30, the method according to claim 9, wherein said device is a wireless device (Jamtgaard: col. 5, lines 7-25).

Regarding claim 56, a method of communicating from a device to a controller using different communication schemes (Jamtgaard: col. 6, lines 54-67; col. 5, lines 7-25), comprising:

- sending first data from one or more devices using one or more transmission formats to a controller (Jamtgaard: col. 6, lines 54-64); and

- receiving from the controller second data using content specific forms for said one or more devices (Jamtgaard: col. 6, lines 64-67), wherein the first data is translated by the controller

Art Unit: 2155

into a standardized format and conveyed to a content provider (Jamtgaard: col. 6, lines 59-64), and the second data is received by the controller from the content provider in the standardized format (Jamtgaard: col. 7, lines 48-58, lines 12-26, 31-47) and is transformed by the controller into said content specific forms for the one or more devices (Jamtgaard: col. 8, lines 4-7; layout engine).

Regarding claim 57, a method of transforming data (Jamtgaard: col. 4, lines 58-66), comprising:
receiving a message (Jamtgaard: col. 6, lines 54-64);
extracting information from the message (Jamtgaard: col. 5, lines 1-6; col. 7, lines 44-47);
selecting transformation specifications based on the extracted information (Jamtgaard: col. 8, lines 31-34, lines 46-61); and
applying the selected transformation specifications to the data (Jamtgaard: col. 8, lines 55-61).

Regarding claim 58, the method of claim 57, further comprising retrieving the transformation specifications from a database (Jamtgaard: col. 6, lines 37-40).

Regarding claim 59, the method of claim 57, further comprising cross-referencing the transformation specifications in the database to the extracted information (Jamtgaard: col. 6, lines 37-48).

Regarding claim 60, the method of claim 57, wherein the message includes a message key (Jamtgaard: col. 8, lines 25-46).

Regarding claim 61, the method according to claim 60 wherein the message key includes at least one of a vertical market; an action; an action type; and a content provider identifier (ID) (Jamtgaard: col. 8, lines 40, 41; URL address).

Art Unit: 2155

Regarding claim 62, the method of claim 57, wherein the message comprises session information including at least one of a user agent and a device type (Jamtgaard: col. 8, lines 34-41).

Regarding claim 63, the method of claim 57, wherein the transformation specifications are specified as XSL style sheets (Jamtgaard: col. 7, lines 48-63).

Regarding claim 64, the method of claim 63, wherein a single XSL style sheet is selected (Jamtgaard: col. 10, lines 65- col. 12, line 65; example of html to rml page).

Regarding claim 65, the method of claim 63, wherein multiple XSL style sheets are selected (Jamtgaard: col. 10, lines 65- col. 11, line 9).

Regarding claim 66, the method of claim 57, wherein the message is an XML message (Jamtgaard: col. 2, line 53).

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 7 and 29 are rejected under 35 U.S.C. 103(a) as being anticipated by U.S. Patent No 6,430,624 by Jamtgaard et al in view of U.S. Publication No. 2002/0002602 by Vange et al

Claims 18-22 are rejected under 35 U.S.C. 103(a) as being anticipated by U.S. Patent No 6,430,624 by Jamtgaard et al in view of U.S. Patent No 5,899,975 by Nielson

Claim 28 is rejected under 35 U.S.C. 103(a) as being anticipated by U.S. Patent No 6,430,624 by Jamtgaard et al in view of U.S. Publication No 2002/0010716 by McCartney et al.

Regarding claim 7,

The Jamtgaard reference teaches the system according to claim 1, receiving, translating, and providing data to a content provider.

The Jamtgaard reference does not explicitly disclose sending the data to more than one content provider.

The Vange reference teaches a composer operative to generate a combined response to the particular device (Vange: Page 9, paragraph 0091) from a plurality of responses received to a plurality of requests provided to a plurality of content providers (Vange: page 10, paragraphs 0096 and 0097; requests to be directed to web servers).

The Vange reference further teaches this action protects clients from the vagaries of the subnet-to-subnet latency and quality of service and avoids undesirable handoff of a client to a web server (Vange: page 9, paragraph 0089).

Therefore it would have been obvious at the time of the invention to one of ordinary skill in the art to create the system of receiving, translating, and providing data to a content provider as taught by Jamtgaard while employing translated data to more than one content provider as taught by Vange in order to protect the client from latency and undesirable handoffs (Vange: page 9, paragraph 0089).

Regarding claim 29,

The Jamtgaard reference teaches the method according to claim 9, wherein method of communicating with devices that use different communication schemes (Jamtgaard: col. 4, lines 66- col. 5, line 6), comprising: receiving, translating, and providing data to a content provider.

The Jamtgaard reference does not explicitly disclose sending the data to more than one content provider.

The Vange reference teaches providing the data to more than one of the content providers (Vange: page 10, paragraphs 0096 and 0097; requests to web servers), and further comprising: composing a combined set using the second data of the more than one content providers (Vange: Page 9, paragraph 0091).

The Vange reference further teaches this action protects clients from the vagaries of the subnet-to-subnet latency and quality of service and avoids undesirable handoff of a client to a web server (Vange: page 9, paragraph 0089).

Therefore it would have been obvious at the time of the invention to one of ordinary skill in the art to create method of communicating with devices that use different communication schemes comprising: receiving, translating, and providing data to a content provider as taught by Jamtgaard while employing translated data to more than one content provider as taught by Vange in order to protect the client from latency and undesirable handoffs (Vange: page 9, paragraph 0089).

Regarding claim 18,

The Jamtgaard reference teaches the method according to claim 9, receiving, translating, and providing data to a content provider.

The Jamtgaard reference does not explicitly disclose style sheets applied independently to the second data.

The Nielson reference teaches at least two style sheets are selected and applied independently to the second data (Nielson: col. 7, lines 31-36).

The Nielson reference further teaches the invention extends the capabilities of style sheets adding additional functionality and a much more pleasing and semantically consistent presentation for the user (Nielson: col. 1, lines 54-57; col. 8, lines 28, 29).

Therefore it would have been obvious at the time of the invention to one of ordinary skill in the art to create the method of receiving, translating, and providing data to a content provider as taught by Jamtgaard while employing two or more style sheets as taught by Nielson in order to extend the capabilities of style sheets and make a more pleasing presentation to the user (Nielson: col. 1, lines 54-57; col. 8, lines 28, 29).

Claims 19-22 are rejected under the same rationale given above. In the rejections set fourth, the examiner will address the additional limitations and point to the relevant teachings of Jamtgaard et al and Nielson.

Regarding claim 19, the method according to claim 12, wherein at least two style sheets are selected and applied to transform the second data (Nielson: col. 7, lines 31-36).

Regarding claim 20, the method according to claim 19, wherein the style sheets are applied sequentially (Nielson: col. 7, lines 31-36; applied to a particular document by priority; col. 1, lines 54-57; cascading).

Regarding claim 21, the method according to claim 19, wherein an order of applying the style sheets is pre-selected (Nielson: col. 7, lines 31-36).

Regarding claim 22, the method according to claim 19, wherein at least three style sheets are applied both independently and sequentially (Nielson: col. 7, lines 31-36; applied to a particular document by priority; col. 1, lines 54-57; cascading).

Regarding claim 28,

The Jamtgaard reference teaches the method according to claim 9, receiving, translating, and providing data to a content provider.

The Jamtgaard reference does not explicitly state querying a provider's database.

The McCartney et al reference teaches querying a provider database (McCartney: page 2, paragraph 0020); and

receiving a previously registered XSL style sheet associated with said new content provider from the provider database (McCartney: page 2, paragraph 0020).

The McCartney reference further teaches the invention optimizes the web site for clients have different capabilities (page 1, paragraph 0007).

Therefore it would have been obvious at the time of the invention to one of ordinary skill in the art to create the method of receiving, translating, and providing data to a content provider as taught by Jamtgaard while querying the provider database to get an XSL as taught by McCartney in order to optimize the web site for clients have different capabilities (page 1, paragraph 0007).

Conclusion

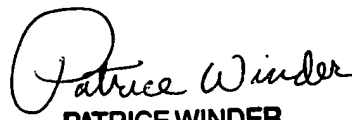
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Benjamin R Bruckart whose telephone number is (703) 305-0324. The examiner can normally be reached on 8:00-5:30 PM with every other Friday off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Hosain Alam can be reached on (703) 308-6662. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 872-9306 for regular communications and After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 305-0324.

Benjamin R Bruckart
Examiner
Art Unit 2155
brb
May 4, 2004

brb


PATRICE WINDER
PRIMARY EXAMINER